Utah Science Grade 3 Activity/Lesson	State	2002 Scier Core Curric	
Grade 3	State	Core Curric	ulum
Grade 3	State		
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Activity/Lesson	DIME	Ctandarda	
	Otato	Standards	Door a guartier about the interaction between
			Pose a question about the interaction between
Air Engines (12-16)	UT	SCI.3.2.2.e	living and nonliving things in the environment that could be investigated by observation.
All Eligilles (12-10)	UT	301.3.2.2.6	Predict and observe what happens when a force
			is applied to an object (e.g., wind, flowing
Air Engines (12-16)	UT	SCI.3.3.2.a	water).
All Eligines (12-10)	01	301.3.3.2.a	Use measurement to demonstrate that heavier
			objects require more force than lighter ones to
Air Engines (12-16)	UT	SCI.3.4.1.b	overcome gravity.
7th Engines (12 10)	01	001.0.4.1.0	Observe, record, and compare the effect of
			gravity on several objects in motion (e.g., a
Air Engines (12-16)	UT	SCI.3.4.2.b	thrown ball and a dropped ball falling to Earth).
Air Engines (12-16)	UT	SCI.3.4.2.c	Pose questions about gravity and forces.
7gco (o)		00	Predict, measure, and graph the temperature
			changes produced by a variety of mechanical
			machines and electrical devices while they are
Air Engines (12-16)	UT	SCI.3.5.2.c	operating.
			Conduct a simple investigation to show what
			happens when objects of various weights collide
Rotor Motor (69-75)	UT	SCI.3.3.2.d	with one another (e.g., marbles, balls).
Flight: Interdisciplinary			Conduct a simple investigation to show what
Learning Activities (76-			happens when objects of various weights collide
79)	UT	SCI.3.3.2.d	with one another (e.g., marbles, balls).
Where is North? The			Conduct a simple investigation to show what
Compass Can Tell Us			happens when objects of various weights collide
(87-90)	UT	SCI.3.3.2.d	with one another (e.g., marbles, balls).
l			Predict and observe what happens when a force
Dunked Napkin (17-			is applied to an object (e.g., wind, flowing
22)	UT	SCI.3.3.2.a	water).
D 1 111 11 //-			Conduct a simple investigation to show what
Dunked Napkin (17-		001 0 0 0 4	happens when objects of various weights collide
22)	UT	SCI.3.3.2.d	with one another (e.g., marbles, balls).
Dunked Napkin (17-	UT	CCI 2 4 2 a	Doop guartians about gravity and forces
22)	01	SCI.3.4.2.c	Pose questions about gravity and forces.
			Predict, measure, and graph the temperature
Dunked Napkin (17-			changes produced by a variety of mechanical machines and electrical devices while they are
22)	UT	SCI.3.5.2.c	operating.
		001.0.0.2.0	Predict and observe what happens when a force
Paper Bag Mask (23-			is applied to an object (e.g., wind, flowing
28)	UT	SCI.3.3.2.a	water).
,		551.5.5.E.d	Use measurement to demonstrate that heavier
Paper Bag Mask (23-			objects require more force than lighter ones to
28)	UT	SCI.3.4.1.b	overcome gravity.
Paper Bag Mask (23-			5 ,
28)	UT	SCI.3.4.2.c	Pose questions about gravity and forces.

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			Predict, measure, and graph the temperature
			changes produced by a variety of mechanical
Paper Bag Mask (23-			machines and electrical devices while they are
28)	UT	SCI.3.5.2.c	operating.
			Predict and observe what happens when a force
Wind in Your Socks)			is applied to an object (e.g., wind, flowing
(29-35)	UT	SCI.3.3.2.a	water).
,			Use measurement to demonstrate that heavier
Wind in Your Socks)			objects require more force than lighter ones to
(29-35)	UT	SCI.3.4.1.b	overcome gravity.
(20 00)	0.	001.011.110	Observe, record, and compare the effect of
Wind in Your Socks)			gravity on several objects in motion (e.g., a
(29-35)	UT	SCI.3.4.2.b	thrown ball and a dropped ball falling to Earth).
Wind in Your Socks)	01	301.3.4.2.0	tillowit ball and a dropped ball falling to Earth).
	LIT	0012426	Deep greations about growity and forces
(29-35)	UT	SCI.3.4.2.c	Pose questions about gravity and forces.
			Predict, measure, and graph the temperature
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			changes produced by a variety of mechanical
Wind in Your Socks)			machines and electrical devices while they are
(29-35)	UT	SCI.3.5.2.c	operating.
	Ae	ronautics Educat	
		2002 Science	e
		Core Curricul	um
Utah Science			
Grade 4			
Activity/Lesson	State	Standards	
			Observe, measure, and record data on the basic
			elements of weather over a period of time (i.e.,
			precipitation, air temperature, wind speed and
Air Engines (12-16)	UT	SCI.4.2.1.b	direction, and air pressure).
7	0.	001.112.110	Identify and use the tools of a meteorologist
We Can Fly, You and			(e.g., measure rainfall using rain gauge,
I: Interdisciplinary			measure air pressure using barometer, measure
	UT	SCI.4.2.3.a	
Learning (107-108)	UI	301.4.2.3.a	temperature using a thermometer).
Dunked Napkin (17-	LIT	001.4.0.0	Predict weather and justify prediction with
22)	UT	SCI.4.2.3.c	observable evidence.
			Observe, measure, and record data on the basic
			elements of weather over a period of time (i.e.,
Paper Bag Mask (23-			precipitation, air temperature, wind speed and
28)	UT	SCI.4.2.1.b	direction, and air pressure).
Paper Bag Mask (23-			Predict weather and justify prediction with
28)	UT	SCI.4.2.3.c	observable evidence.
			Observe, measure, and record data on the basic
			elements of weather over a period of time (i.e.,
Wind in Your Socks)			precipitation, air temperature, wind speed and
(29-35)	UT	SCI.4.2.1.b	direction, and air pressure).
· /			
Wind in Your Socks)			Investigate evidence that air is a substance
Wind in Your Socks) (29-35)	UT	SCI.4.2.1.c	

Wind in Your Socks) (29-35)	UT	SCI.4.2.2.c	Infer relationships between wind and weather change (e.g., windy days often precede changes in the weather; south winds in Utah often precede a cold front coming from the north).
Wind in Your Socks)			Describe how weather and forecasts affect
(29-35)	UT	SCI.4.2.3.b	people's lives.
Wind in Your Socks)			Predict weather and justify prediction with
(29-35)	UT	SCI.4.2.3.c	observable evidence.
			Relate weather forecast accuracy to evidence or
Wind in Your Socks)			tools used to make the forecast (e.g., feels like
(29-35)	UT	SCI.4.2.3.e	rain vs. barometer is dropping).
Air: Interdisciplinary			Investigate evidence that air is a substance
Learning Activities (36-			(e.g., takes up space, moves as wind,
39)	UT	SCI.4.2.1.c	temperature can be measured).